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(71) Applicant(s)

Mark Baker

Chetwode Grange, CHETWODE, Buckinghamshire,
MK18 4LE, United Kingdom

(72) Inventor(s)

Mark Baker

(74) Agent and/or Address for Service

Mark Baker

Chetwode Grange, CHETWODE, Buckinghamshire,
MK18 4LE, United Kingdom(51) INT CL⁷

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(58) Field of Search

Online Databases: WPI, EPDOC

(54) Abstract Title

**A system for authentication, data security, digital rights management and encryption for use with
electronic commerce and electronic business systems**

(57) eLOK1 and eLOK2 are systems which use client-server implementation of public key encryption and purely client-side implementation of private key encryption respectively to control access to data files via network based messaging or data transfer protocols. Data security is ensured as only validated local users may access data using the automatically stored key. Confirmation is sent using a technology such as eLOG. In the full eLOK system the local user's key is in turn encrypted with a public or electronically transmitted private key. Keys may vary dynamically by date, location, region, client or security update. (Manual or automatic). Digital watermarking for digital rights management may be applied client-side using local (client) machine specific information. Digital signatures may be used as part of a private key. The system may be used in conjunction with compression.

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eLOK - A system for authentication, data security, DRM and encryption for use with electronic commerce and electronic business systems.

Description

eLOK is system for authentication, data security, DRM and encryption for use with electronic commerce and electronic business systems using eLOK 1 public or eLOK2 private key encryption in conjunction with digital rights management authentication.

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Claims

1. Any system that uses client-server implementation of public key encryption to control access to data files via network based messaging or data transfer protocols in conjunction with client side digital watermarking to implement digital rights management.
2. Any system that uses purely client-side implementation of private key encryption to control access to data files via network based messaging or data transfer protocols in conjunction with client side digital watermarking to implement digital rights management.
3. Any system which uses any of the above in conjunction with compression to control data access.
4. Any system which uses multiple-layer encryption combining any of the above in any way.